

Title (en)

Article with a glassy, at least partially amorphous, metal foil

Title (de)

Gegenstand mit einer zumindest teilweise amorphen Glasmetallfolie

Title (fr)

Objet avec une feuille en alliage vitreux, au moins partiellement amorphe

Publication

EP 0549521 B1 19980107 (DE)

Application

EP 92810892 A 19921117

Priority

CH 384791 A 19911224

Abstract (en)

[origin: EP0549521A1] The article contains a glassy metal foil (1) with a metal matrix (2) which can at least partially have solidified to a glassy state and can contain hard particles (3, 3a) in the form of primary precipitations from the melt. The glassy metal foil (1) is provided on at least one side (4) with a covering layer (5) which contains a hard material whose hardness is greater than that of the glassy metal foil (1). The covering layer (5) can be formed by a carrier layer (7) with incorporated hard material particles (8), for example of diamond or cubic boron nitride, or by a homogeneous hard material, for example of diamond-type carbon. As a result, a surface quality of the article is obtained, which can be influenced separately from the composition of the alloy of the glassy metal foil (1). The article can be made either as a separating tool or as a component having particular wear properties and/or sliding properties. <IMAGE>

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C22C 1/00; **B32B 15/01**

IPC 8 full level

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CPC (source: EP US)

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